

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark, Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/714,046	11/14/2003	Hans Gregory Schantz	DDM03-040	3215		
30137	7590 11/12/2004	·	EXAM	EXAMINER		
LAW OFFICE OF DONALD D. MONDUL			PHAN, DAO LINDA			
DALLAS, 7	GTON DRIVE X 75252		ART UNIT	PAPER NUMBER		
,			3662			
			DATE MAILED: 11/12/2004	4		

Please find below and/or attached an Office communication concerning this application or proceeding.

	· 		4: 11					
	·	Аррис	cation No.	Applicant(s)	•			
Office Antique Occupancy		10/71	4,046	SCHANTZ, HANS	GREGORY			
	Office Action Summary	Exami	ner	Art Unit				
			Phan	3662				
Period fo	The MAILING DATE of this commun or Reply	ication appears on	the cover sheet w	vith the correspondence ad	dress			
THE - Exte after - If the - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNI INSIGNS OF THIS COMMUNI INSIGNS OF THIS COMMUNI INSIGNS OF THIS COMMUNIAN INSIGNS OF THIS COMMUNIANCE OF T	CATION. of 37 CFR 1.136(a). In nunication. 0) days, a reply within the stutory period will apply ar will, by statute, cause the	o event, however, may a statutory minimum of the nd will expire SIX (6) MO application to become A	reply be timely filed inty (30) days will be considered timel NTHS from the mailing date of this co				
Status								
1)[X]	Responsive to communication(s) file	d on 14 Novembe	er 2003					
	This action is FINAL . 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)⊠	Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-4,10-15 and 20 is/are rejected. Claim(s) 5-9 and 16-19 is/are objected to. Claim(s) are subject to restriction and/or election requirement.							
Applicat	ion Papers							
9)[The specification is objected to by the	e Examiner.						
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any object	ction to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).				
11) <u></u>	Replacement drawing sheet(s) including The oath or declaration is objected to		*		, ,			
Priority (under 35 U.S.C. § 119							
12)□ a)	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation	documents have I documents have I of the priority docunal Bureau (PCT)	been received. been received in a uments have been Rule 17.2(a)).	Application No n received in this National	Stage			
Attachmen	t(s)							
1) 🔯 Notic	e of References Cited (PTO-892)			Summary (PTO-413)				
3) 🛛 Infor	e of Draftsperson's Patent Drawing Review (Pmation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date			(s)/Mail Date Informal Patent Application (PTC)-152)			

Art Unit: 3662

•

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-4, 10-15, 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Cavanagh et al (Pat. No. 3,947,770).

Cavanagh et al teach a system and a method for ascertain angle of arrival of an electromagnetic signal at an antenna structure including a plurality of antenna elements 12, 14 intersecting a common axis (abstract; col 2, lines 62-65) and cooperating to establish 2n sectors, each respective sector of the 2n sectors being defined by two antenna elements of the plurality of n antenna elements and the axis, the signal characteristic indicating the first state on a first side of each respective antenna element of n antenna elements and indicating the second state on a second side of each respective antenna element, combinations of the signal characteristics in each respective sector uniquely identifying the respective sector (fig. 1), and an evaluation apparatus coupled with at least two antenna elements of the plurality of n antenna elements, the evaluation apparatus employing the state of the signal characteristic sensed by each of at least two antenna elements to effect the ascertaining angle of arrival to a resolution of at least one respective sector (col 2, lines 3+).

3. Claims 5-9, 16-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Application/Control Number: 10/714,046

Art Unit: 3662

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dao L. Phan whose telephone number is (703)306-4167. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tarcza Thomas can be reached on (703)306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PATENT EXAMINER

Page 3